

23 August 1962

MEMORANDUM FOR THE RECORD

FROM : [REDACTED]
SUBJECT: [REDACTED] Trip Report

25X1A9a

25X1A6b

1. On August 13, 1962 the writer traveled [REDACTED] to obtain more detailed information on the transmitting station.

25X1A6b

2. The main items taken up during my two days were:

(a) Discussions were held regarding the operational requirements of the [REDACTED] Station.

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(b) Inquiries were made concerning propagation problems, particularly on the difficult short haul agent circuits.

(c) Physical measurements were made and data recorded on all present transmitting antennas.

(d) Present floor layout and rack content of the transmitting vans were noted.

(e) The geographical area was closely observed.

3. Station requirements demand the capability to accommodate twenty-nine circuits. The type of operation would require extremely wide angle or omni-directional antennas, with some patching provisions. Adequate coverage would require at least three 231-D type rigs, twelve 1K, and approximately seventeen lower powered transmitters. The station presently has the following basic equipment.

1 ea. 231-D
10 ea. 16F
1 ea. GPT-750
2 ea. PAL-1K
6 ea. PAL-350



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SUBJECT: [REDACTED] Trip Report

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2 ea. URT-11
2 ea. RT-1B
1 ea. SGE-2
4 ea. Northern 108 Exciters
9 ea. PMO
5 ea. FSK
1 ea. HT-4 and other misc.
equipment used in Station
"back-up"

25X1A

4. In order to provide better azimuth coverage [REDACTED] four horizontal TFD's were replaced with slanted TFD's. This change has apparently resulted in considerable success for these operations. However, an insufficient number of the slanted TFD's has prevented their use and consequently their comparison with other antennas on the difficult agent circuits. A request for a laboratory evaluation of this antenna has been made.

5. Physical measurements were taken and parameters noted on all twenty-eight transmitting antennas. This information and the transmitting van layout will be made a part of FES records. Sufficient space is available for the required number of additional antennas although some land may have to be cleared.

6. Thirty-eight of the fifty pair land line cable leading from the Receiver Building extend to the transmitter site. Additional keyline can be obtained by multiplexing the land line with standard narrow band frequency shift equipment. The Motorola VHF System between the two sites is marginal, although this is believed to result from inadequate antenna height.

7. The AS-3 installation was observed and discussed briefly. Two successful local test shots were conducted.

[REDACTED]

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